

Amendments to the Claims

The listing of claims will replace all prior versions, and listings of claims in the application.

1-14. (Canceled)

15. (new) A method of retrieving data over a network at a target bandwidth, B_T , comprising:

- (1) transmitting a request for data to a server over the network;
- (2) receiving the data from the server over the network;
- (3) calculating a wait time based on the target bandwidth;
- (4) waiting the calculated wait time;
- (5) transmitting a request for additional data to the server over the network

after step (4); and

- (6) receiving the additional data from the server over the network.

16. (new) The method of claim 15, further comprising:

- (7) repeating steps (4)-(6) for further additional data until all desired data is retrieved from the server over the network.

17. (new) The method of claim 15, wherein step (3) comprises:

- (A) determining a start time, T_{START} , based on the request for data of step (1);

(B) incrementing an aggregate bytes count, $\text{bytes}_{\text{AGG}}$, by the number of bytes received in step (2);

(C) determining a current time, T_{NOW} ; and

(D) calculating the wait time.

18. (new) The method of claim 17, wherein step (D) comprises calculating the wait time according to the equation:

$$\text{wait time} = (\text{bytes}_{\text{AGG}})/B_T - (T_{\text{NOW}} - T_{\text{START}}).$$

19. (new) The method of claim 15, wherein step (3) comprises:

(A) determining a start time, T_{START} , based on the request for data of step (1);

(B) repeating steps (1) and (2) a plurality of times for additional data;

(C) incrementing an aggregate bytes count, $\text{bytes}_{\text{AGG}}$, by the number of bytes received in each step (2);

(D) calculating a current time, T_{NOW} ; and

(E) calculating the wait time.

20. (new) The method of claim 19, wherein step (E) comprises calculating the wait time according to the equation:

$$\text{wait time} = (\text{bytes}_{\text{AGG}})/B_T - (T_{\text{NOW}} - T_{\text{START}}).$$

21. (new) A computer system, comprising:

transmitting means for transmitting requests for data to a server over a network;

receiving means for receiving said data from said server over said network; and

a timing module that calculates a wait time based on a target bandwidth, B_T , at which rate data is desired to be retrieved from said server over said network;

wherein said transmitting means delays transmitting requests for data to said server over said network by said calculated wait time.

22. (new) The computer system of claim 21, wherein said timing module determines a start time, T_{START} , corresponding to when said transmitting means transmits a request for data to said server over said network;

wherein said timing module detects a number of bytes received by said receiving means due to a transmitted request;

wherein said timing module increments an aggregate bytes count, $bytes_{AGG}$, by said number of bytes received; and

wherein said timing module determines a current time, T_{NOW} , after at least one iteration of said timing module detecting a number of bytes received by said receiving means due to a transmitted request.

23. (new) The computer system of claim 22, wherein said timing module calculates said wait time according to the equation:

$$\text{wait time} = (bytes_{AGG})/B_T - (T_{NOW} - T_{START}).$$

24. (new) The computer system of claim 21, wherein said network is the Internet.

25. (new) A computer program product comprising a computer useable medium having computer program logic recorded thereon for enabling a processor to retrieve data over a network at a target bandwidth, B_T , comprising:

calculating means for enabling a processor to calculate a wait time based on a target bandwidth, B_T , at which rate data is desired to be retrieved from a server over said network; and

delaying means for enabling a processor to delay transmitting requests for data to said server over said network by said calculated wait time.

26. (new) The computer program product of claim 25, wherein said computer program product further comprises:

determining means for enabling a processor to determine a start time, T_{START} , corresponding to when a request for data is transmitted to said server over said network;

detecting means for enabling a processor to detect a number of bytes received due to a transmitted request;

incrementing means for enabling a processor to increment an aggregate bytes count, $bytes_{AGG}$, by said number of bytes received; and

determining means for enabling a processor to determine a current time, T_{NOW} , after at least one iteration of detecting a number of bytes received due to a transmitted request.

27. (new) The computer program product of claim 26, wherein calculating means enables a processor to calculates said wait time according to the equation:

$$\text{wait time} = (\text{bytes}_{\text{AGG}})/B_T - (T_{\text{NOW}} - T_{\text{START}}).$$

28. (new) The computer program product of claim 25, wherein said network is the Internet.